

1. The molecular formula of pentanoic acid is

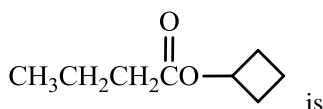
- A. $C_5H_{11}O_2$ B. $C_5H_9O_2$ C. $C_5H_{10}O$ D. $C_5H_{10}O_2$

2. When _____ reacts with NaOH, the product is sodium benzoate

- A. benzoic acid B. benzene
C. benzaldehyde D. benzoic hydroxide

3. Esterification is the reaction of a(n) _____ with an alcohol.

- A. amide B. carboxylic acid C. ester D. amine



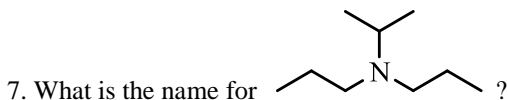
- A. butyl cyclobutanoate B. cyclobutyl butanoate
C. cyclobutanoate D. cyclic butanoate

5. The molecular formula of ethyl acetate is

- A. C_4H_8O B. $C_5H_8O_2$
C. $C_4H_8O_2$ D. $C_5H_{10}O_2$

6. The base hydrolysis of an ester is called

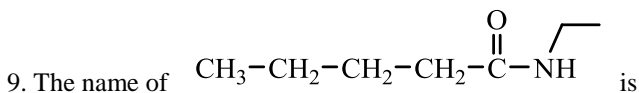
- A. esterification B. saponification C. hydrolysis D. neutralization



- A. triisopropylamine B. ethylpropylamine
C. isopropylpropylamine D. diethylisopropylamine

8. When methylamine reacts with HCl the product is

- A. methylammonia B. methylammonium chloride
C. methane and methylchloride D. methanoate chloride



- A. N,N-ethylpentanamide B. N,N-isopropylpentanamine
C. N-ethylpentanamide D. N-isopropylpentanamide

10. The missing chemical in the reaction (acetamide + sodium hydroxide \rightarrow ? + ammonia) is

- A. primary amine B. secondary amine C. acetic acid D. sodium acetate

Answers

1	2	3	4	5	6	7	8	9	10
D	A	B	B	C	B	C	B	C	D